

# 108

# SPEAKERS

## Miniature round loudspeaker



A miniature loudspeaker ideal for small projects. Handling capacity 300mW. Frequency response 300-5000 Hz. Diameter 2.5 inch.

Type	Order	Price each		
	code	1-24	25-99	100+
64R 2.5" loudspeaker	580-310	£0.59	£0.52	£0.45
8R 2.5" loudspeaker	580-316	£0.55	£0.47	£0.39

## 10W 75MM loudspeaker

Full range speaker. Foam edged paper cone with chrome HF dome.



*new*

Colour Black  
 Dimensions 40x78x78mm  
 Weight 0.4 kg  
 Resonant Frequency 120hZ  
 Magnet Weight 0.15KG  
 Impedance 8Ohm  
 Sensitivity 88dB  
 Peak Music Power 20W  
 Power RMS 10W  
 Frequency Response 120-16000Hz  
 Diameter 78mm

Type	Order	Price each	
	code	1-9	10+
75mm 10W loudspeaker	580-313	£3.75	£3.35

## 12" General purpose Loudspeaker

A general purpose speaker with a frequency range of 35 to 18kHz ideal for voice and music reproduction. Housed in a strong steel basket with a paper cone and dual construction tweeter. Heavy magnet and large voice coil making this speaker perfect replacement for most applications. Impedance 8R. Power 100W RMS. Diameter 12". SPL (1W/1m) 91dB



Type	Order	Price each	
	code	1-4	5+
12" 100W loudspeaker	580-320	£14.90	£13.50

## 12" Pro music woofer

Constructed from heavy-duty die-cast aluminium and incorporating a strong 75mm Kapton voice coil with a paper coated cone. Power 250W RMS. Impedance 8R. Frequency range 27-5kHz. SPL (1W/1m) 91dB. Fitted with gold plated push terminals



Type	Order	Price each
	code	
12" 250W Woofer	580-321	£31.50

## 15" Pro music woofer

Constructed from heavy-duty die-cast aluminium and incorporating a strong 75mm Kapton voice coil with a paper coated cone. Power 3000W RMS. Impedance 8R. Frequency range 20-4kHz. SPL (1W/1m) 92dB. Fitted with gold plated push terminals



Type	Order	Price each
	code	
15" 300W Woofer	580-322	£42.90

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## 6" Sovereign 6-100 Loudspeaker

Fane  
new

Medium Power Driver ideal for use in PA systems as well as MI and Pro Sound applications. Works well for midrange in a small sealed box or a mid/bass driver in vented boxes.

Resonant Frequency 111Hz  
Magnet Weight 20oz  
Impedance 8Ohm  
Coil Size 38.1mm/1.5in  
Sensitivity 94.7dB  
Power RMS 100W



Type	Order code	Price each
Fane Sovereign 6-100	580-450	£21.25

## 8" Sovereign 8-125 Loudspeaker

Fane  
new

Medium Power Driver ideal for use in PA systems as well as MI and Pro Sound applications. Works well for midrange in a small sealed box or a mid/bass driver in vented boxes. Great for bass guitar in medium sized vented cabinets.

Resonant Frequency 73.9Hz  
Impedance 8Ohm  
Sensitivity 93.7dB  
Power RMS 125W  
Frequency Response 52Hz-4.7kHz  
Diameter 209.3mm



Type	Order code	Price each
Fane Sovereign 8-125	580-451	£22.95

## 10" Sovereign 10-125 Loudspeaker

Fane  
new

Medium Power Driver ideal for use in pa systems as well as MI and Pro Sound applications. Works well for midrange in a small sealed box or a mid/bass driver in vented boxes. Great for bass guitar in medium sized vented cabinets.

Resonant Frequency 50Hz  
Magnet Weight 20oz  
Impedance 8Ohm  
Sensitivity 95.3dB  
Power RMS 125W  
Frequency Response 54-5000Hz  
Diameter 254mm



Type	Order code	Price each
Fane Sovereign 10-125	580-452	£25.45

## 12" Sovereign 12-125 Loudspeaker

Fane  
new

Medium Power Driver ideal for use in PA systems as well as MI and Pro Sound applications. Works well for midrange in a small sealed box or a mid/bass driver in vented boxes. Great for bass guitar in medium sized vented cabinets.

Resonant Frequency 47Hz  
Magnet Weight 20oz  
Impedance 8Ohm  
Coil Size 38.1mm/1.5in  
Sensitivity 96.5dB  
Power RMS 125W  
Frequency Response 45-8000Hz  
Diameter 305mm/12in



Type	Order code	Price each
Fane Sovereign 12-125	580-453	£36.99

## 12" Sovereign 12-300 Loudspeaker

Fane  
new

Medium Power Driver ideal for use in PA systems as well as MI and Pro Sound applications. Works well for midrange in a small sealed box or a mid/bass driver in vented boxes.

Resonant Frequency 50Hz  
Magnet Weight 57oz  
Impedance 8Ohm  
Sensitivity 100W  
Power RMS 300W  
Frequency Response 65-4000Hz  
Diameter 305mm/12in



Type	Order code	Price each
Fane Sovereign 12-300	580-454	£42.25

**A larger range of loudspeakers are available online at [www.electronelec.co.uk](http://www.electronelec.co.uk)**

## 12" Colossus 12MB Loudspeaker

The Colossus 12MB is intended for use as a very high output bass mid driver in a two way ported enclosures and also as a bass driver in multiway systems. The unit features a 3 inch voice coil driven by a non inductive motor system which dramatically reduces third harmonic and intermodulation distortion. The cone membrane, manufactured from Polycellulose, is much stronger and more durable than conventional paper pulp alternatives.



This allows the driver to combine high sensitivity with the structural integrity required to produce undistorted low frequencies at high output levels. The mechanical and electrical properties of the unit have been carefully optimised to allow extended low frequency output up to it's rated power handling of 450 Watts (A.E.S continuous). Heat is dissipated from the ultra light aluminium voice coil by a composite glass fibre and black anodised aluminium former. This assists in yielding outstanding power handling from a 3 inch coil, with peak power handling in excess of 1800 Watts! The driver exhibits an average sensitivity of 98 dB and is best used in ported enclosures of 25 to 80 litres.

Resonant Frequency 55Hz

Magnet Weight 93oz

Impedance 8Ohm

Coil Size 77mm/3in

Sensitivity 98dB

Power RMS 450W

Frequency Response 4-3.5kHz

Diameter 305mm/12in

Type	Order code	Price each
Fane Colossus 12MB	580-455	£124.50

**Fane**  
*new*

Type	Order code	Price each
Fane Colossus 15B-600	580-456	£159.00

## Piezo Tweeter

A special piezo high impedance tweeter featuring high efficiency without loading the amplifier too much. Can be connected easily via a small series resistance without special filter. Crisp, clean reproduction of the high frequencies.



Frequency response 4kHz - 30kHz

Impedance:25kHz 60 - 80 ohms

Impedance:1kHz 1k ohms

Dimensions: 85x85x70

Type	Order code	Price each
Piezo horn tweeter 85x85	580-325	£1.40

## Piezo Tweeter

A special piezo high impedance tweeter featuring high efficiency without loading the amplifier too much. Can be connected easily via a small series resistance without special filter. Crisp, clean reproduction of the high frequencies.



Frequency response 4kHz - 30kHz

Impedance:25kHz 60 - 80 ohms

Impedance:1kHz 1k ohms

Dimensions: 67x145x50

Type	Order code	Price each
Piezo horn tweet 67x145	580-326	£1.40

## 15" Colossus 15B-600 Loudspeaker

The Colossus 15B-600 is intended for use in high power two way ported enclosures and as a high output bass driver in multi-way systems. It features a 4 inch voice coil immersed in a symmetric magnetic field yielding increased linearity and lower distortion at high excursion levels. The cone membrane, manufactured from Polycellulose, is much stronger and more durable than conventional paper pulp



**Fane**  
*new*

This allows the driver to combine high sensitivity with the structural integrity required to produce undistorted low frequencies at high output levels. The driver handles 600 Watts (A.E.S) continuous and can cope with peaks in excess of 2400 Watts. This is due to advanced thermal management in the form of vented diecast chassis and motor system coupled to a large vaned heatsink mounted on the rear of the unit. These measures effectively remove heat from the voice coil resulting in extremely low power compression. The Colossus 15B-600 exhibits an average sensitivity of 99 dB and can deliver bass down to 40 Hz (-6 dB) in a 125 litre ported enclosure.

Resonant Frequency 42Hz

Magnet Weight 120oz

Impedance 8Ohm

Coil Size 102mm/4in

Sensitivity 99dB

Power RMS 600W

Frequency Response 40Hz-3kHz

## Transistor oscillator buzzer



Miniature transistor oscillator buzzer supplied either with 100mm fly leads or PCB mounting.

### Technical specification

Operating voltage	6v type	4-8V DC
	9v type	6-12V DC
	12v type	8-16V DC
Current consumption	25mA	
Sound output	75dB at 30cm	
Frequency	400Hz	

Type	Order code	Price each		
		1-24	25-99	100+
6V buzzer 100mm fly	580-301	£0.49	£0.42	£0.37
9V buzzer 100mm fly	580-300	£0.49	£0.42	£0.37
12V buzzer 100mm fly	580-302	£0.49	£0.42	£0.37
6V buzzer PCB mnt	580-303	£0.49	£0.42	£0.37
9V buzzer PCB mnt	580-305	£0.49	£0.42	£0.37

## Miniature piezo transducer



A miniature flange mounting piezo audio transducer with flying leads. Requires an external drive circuit. Resonant frequency 4KHz. Max voltage 30V p-p square wave. KPR-2310

Type	Order code	Price each		
		1-24	25-99	100+
4KHz piezo transducer	580-307	£0.36	£0.32	£0.27

## Disc transducer



A 1KHz disc transducer ideal for use in greetings cards. Can be connected to our melody generator IC. Dia 25mm. Rohs compliant.

Type	Order code	Price each		
		1-24	25-99	100+
1KHz disc transducer	580-304	£0.12	£0.10	£0.08

## Kepto Electronic piezo buzzer 85dB



A 12V electronic piezo buzzer ideal for alarms emitting an ear piercing sound of 3.5kHz at 85 to 90dB. PCB mounting.

12VDC 10mA. Dimensions 10 x 23mm dia



Type	Order code	Price each		
		1-24	25-99	100+
12V buzzer 85dB	580-309	£0.57	£0.51	£0.45

## Kepto Electronic piezo buzzer 90dB

A 12V electronic piezo alarm buzzer emitting an ear piercing sound of 3.7kHz at 100dB. Supplied with fly leads.

12V 15mA. Dimensions 25 x 30mm dia RoHS compliant



Type	Order code	Price each		
		1-24	25-99	100+
12V buzzer 90dB 3.7kHz	580-308	£0.65	£0.58	£0.52

## Ultrasonic transducers



An ultrasonic transmitter and receiver for sending and receiving continuous or modulated waves in the 40KHz region through air. Ideal for remote control applications. These units are not watertight.

Type	Order code	Price each	
		1-24	25-99
Transmitter	580-314	£1.75	
Receiver	580-315	£1.75	